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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Baldwin

:

: Art Unit: 3661

Serial No. 09/133,741

: Examiner: Thu Nguyen

Filed: 08/13/1998

: Atty's Docket: TD-143

For: Improved Triangle Clipping for 3D Graphics

PRELIMINARY AMENDMENT

Honorable Commissioner of Patents and Trademarks
Washington, DC 20231

Sir:

Prior to a first Office Action on the merits, please amend the subject application as follows. As detailed in the accompanying cover sheet, any fee necessary for consideration of this paper has been authorized to be charged to Deposit Account Number 07-2320.

A clean version of the claims in this application (after the amendments which are shown in detail on the following pages) are as follows:

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1. (AMENDED) A method for clipping graphics primitives for display, comprising the steps of:
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5 performing a clipping algorithm which uses only a single circular buffer to store input and output vertices of a primitive; and
for each one of said vertices, indicating whether said one of said vertices is visible with respect to each plane of a view volume.
= 2. The method of Claim 1, wherein only vertices which are visible in all said planes are rasterized.